

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00629_7 ~ C1216XT-50LXXK-WDEX-TCY-NLXXMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00629_7_M-50L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 9/20/2017

[UPDATE] 3/9/2018

[LUMCAT] C1216XT-50L-xxK-WD-EX-TCY-NL

[LUMINAIRE] Nom. 12" Diam. x 16" H. Accent Biaxial Adjustable Downlight Cylinder

[OTHER] Internal Reflector, Wide Beam

[OTHER] No lens

[OTHER] 38.0 Degree Beam Angle

[OTHER] Aimed at 0 Degrees

[LAMPCAT] N/A, 19mm LES

[LAMP] N/A, 83 CRI

[OTHER] Total Luminaire Watts is approximate

[OTHER] LEDXT lumen output is the same for all available CCT's

[OTHER] This report prepared by Spectrum Lighting, scaled from 30L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4764
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	52
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.64
Spacing Criterion (90-270)	0.64
Spacing Criterion (Diagonal)	0.66
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.44 ft (Diameter)
Luminous Width (90-270)	0.44 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00629_7 ~ C1216XT-50LXXK-WDEX-TCY-NLXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	35777	42265	39776
55	6503	6899	6567
65	7246	7533	8102
75	8874	9526	9686
85	17223	14589	15869

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	7952.564	7952.564	7952.564	7952.564	7952.564	7952.564	7952.564	7952.564	7952.564	7952.564
5	7704.426	7806.621	7765.713	7775.318	7642.515	7455.554	7469.247	7285.854	7296.458	7148.901
10	6688.978	6861.949	6776.120	6815.931	6588.383	6303.664	6283.033	6048.220	6038.286	5845.324
15	5346.959	5551.947	5449.640	5504.819	5264.875	4979.873	4954.404	4725.747	4697.078	4527.469
20	3960.175	4166.687	4089.713	4172.479	3980.638	3746.701	3732.815	3524.948	3499.508	3333.572
25	2796.053	2963.663	2917.327	3019.129	2882.828	2705.956	2698.660	2529.082	2511.504	2384.137
30	2052.115	2146.918	2134.238	2197.580	2118.777	2004.279	1986.316	1901.307	1880.026	1819.822
35	1657.265	1696.818	1717.120	1736.197	1696.169	1612.701	1568.984	1517.782	1466.950	1410.757
40	1091.468	1221.329	1216.510	1252.442	1144.277	988.023	1006.183	823.818	831.136	673.075
45	360.962	489.200	426.424	527.345	401.309	305.186	295.968	221.794	204.097	165.977
50	78.502	78.391	95.656	92.605	85.931	70.389	65.668	60.290	63.784	60.972
55	53.217	52.229	56.461	55.743	53.746	58.732	61.442	59.015	60.367	56.323
60	50.065	46.939	49.383	51.029	51.485	57.205	59.282	60.470	58.628	56.695
65	43.695	44.432	45.427	43.645	48.856	56.385	56.448	59.424	58.827	57.193
70	33.705	39.576	40.445	38.218	40.900	57.562	55.925	55.679	55.718	50.967
75	32.772	33.395	35.180	37.613	35.769	55.348	56.856	53.857	56.446	55.103
80	27.867	32.583	29.426	29.571	31.593	53.209	53.997	55.733	61.346	56.761
85	21.418	19.917	18.142	22.928	19.734	45.672	46.751	42.130	44.961	42.250
90	3.571	1.820	3.969	1.965	4.838	27.497	16.730	25.830	15.907	29.254
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	7952.564	7952.564	7952.564	7952.564	7952.564	7952.564	7952.564
5	7221.796	7131.618	7307.215	7511.035	7540.856	7674.245	7704.426
10	5922.306	5828.107	6053.487	6361.534	6402.282	6646.026	6688.978
15	4563.029	4495.132	4691.712	4992.488	5032.913	5298.953	5346.959
20	3383.635	3288.621	3454.626	3695.652	3701.064	3931.035	3960.175
25	2400.810	2344.592	2450.900	2619.431	2617.173	2779.608	2796.053
30	1815.245	1795.401	1845.362	1939.465	1943.319	2037.314	2052.115
35	1404.221	1369.784	1431.706	1531.871	1579.869	1616.103	1657.265
40	733.708	645.222	784.354	934.190	928.579	1080.658	1091.468
45	144.032	156.816	184.239	264.630	255.018	368.260	360.962

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50	63.198	59.972	61.981	56.561	67.212	62.167	78.502
55	56.306	55.691	57.932	52.480	53.001	49.260	53.217
60	55.289	54.743	54.112	46.209	46.181	50.200	50.065
65	54.308	51.317	50.568	38.549	40.481	46.243	43.695
70	52.169	48.488	51.092	33.453	34.819	36.467	33.705
75	53.564	53.122	52.382	31.580	29.889	35.314	32.772
80	55.158	55.688	54.248	26.860	29.803	24.775	27.867
85	40.288	45.426	43.150	15.825	15.725	19.391	21.418
90	18.562	29.951	34.924	1.692	2.642	1.900	3.571
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	2071.93	N.A.	43.50
0-30	3329.59	N.A.	69.90
0-40	4271.76	N.A.	89.70
0-60	4631.63	N.A.	97.20
0-80	4727.28	N.A.	99.20
0-90	4759.77	N.A.	99.90
10-90	4080.67	N.A.	85.70
20-40	2199.83	N.A.	46.20
20-50	2507.18	N.A.	52.60
40-70	408.92	N.A.	8.60
60-80	95.65	N.A.	2.00
70-80	46.61	N.A.	1.00
80-90	32.48	N.A.	0.70
90-110	3.78	N.A.	0.10
90-120	3.78	N.A.	0.10
90-130	3.78	N.A.	0.10
90-150	3.78	N.A.	0.10
90-180	3.78	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	4763.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	679.10
10-20	1392.83
20-30	1257.66
30-40	942.17
40-50	307.35
50-60	52.52
60-70	49.04
70-80	46.61
80-90	32.48
90-100	3.78
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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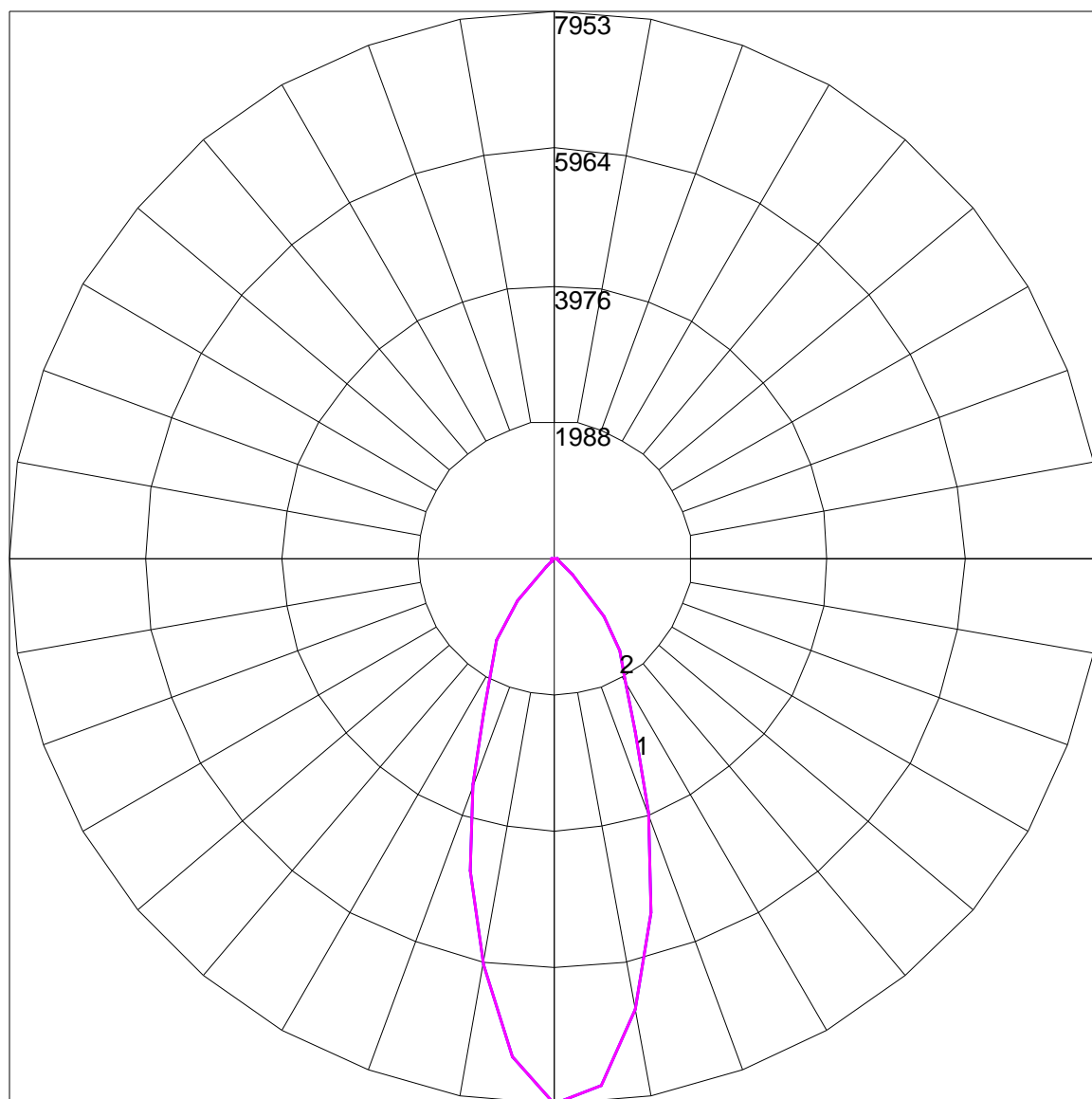
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86
3	102	96	91	87	100	94	90	86	92	88	84	89	86	83	87	84	82	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	78	74	81	77	73	80	75	72	78	74	72	70
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	75	69	65	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	71	65	61	79	70	64	61	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52

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POLAR GRAPH



Maximum Candela = 7952.564 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)